AMENDMENTS TO THE CLAIMS:

Claims 1 -7 and 10,12+14, 16-23 (cancelled)

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8.(currently amended) A CDMA receiver according to claim 1 for applying despread processing to direct wave or delayed waves that arrive via each path of multiple paths, applying synchronous detection processing to the despread signals obtained, combining the detection signals of respective paths and discriminating the received data on the basis of the combined signal, further comprising:

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a weighting unit provided for each path, wherein if a prescribed signal component of a direct wave or delayed wave that arrives via an assigned path is below a set level said weighting unit applies weighting by multiplying an output signal by a weighting coefficient the value of which is smaller than and varies in conformity with to the level of said signal component and weighting unit adopts 1 as a weighting coefficient if said signal component is greater than a set level;

a combiner for combining signals output from the weighting units of each of the paths; and

a data discriminating unit for discriminating received data based upon the output signal of the combiner;

a maximum-level detector for detecting a maximum level Pmax of reception powers of respective ones of the paths when reception power is adopted as said signal component; and

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a set-level updating unit for adopting a value, which is obtained by subtracting a set level AY from the maximum level Pmax, as said set level.

9.(currently amended): A CDMA receiver according to claim 1, further comprising for applying despread processing to direct wave or delayed waves that arrive via each path of multiple paths, applying synchronous detection processing to the despread signals obtained, combining the detection signals of respective paths and discriminating the received data on the basis of the combined signal, comprising

a weighting unit provided for each path, wherein if a prescribed signal component of a direct wave or delayed wave that arrives via an assigned path is below a set level said weighting unit applies weighting by multiplying an output signal by a weighting coefficient the value of which is smaller than 1 and varies in conformity with to the level of said signal component and weighting unit adopts 1 as a weighting coefficient if said signal component is greater than a set level;

a combiner for combining signals output from the weighting units of each of the paths; and

a data discriminating unit for discriminating received data based upon the output signal of the combiner.

a minimum-level detector for detecting a minimum level Pmin of reception powers of respective ones of the paths when reception power is adopted as said signal component; and

level AZ to the minimum level Pmin, as said set level.

a set-level updating unit for adopting a value, which is obtained by adding a set

applying despread processing to direct wave or delayed waves that arrive via each path of multiple paths, applying synchronous detection processing to the despread signals obtained, combining the detection signals of respective paths and discriminating the received data on the basis of the combined signal, comprising:

a weighting unit provided for each path, wherein if a prescribed signal component of a direct wave or delayed wave that arrives via an assigned path is below a set level said weighting unit applies weighting by multiplying an output signal by a weighting coefficient the value of which is smaller than 1 and varies in conformity with to the level of said signal component and weighting unit adopts 1 as a weighting coefficient if said signal component is greater than a set level wherein when a SIR, which is a ratio between signal power and interference power, is adopted as said signal component, said weighting unit estimates the SIR of the assigned path, decides a weighting coefficient based upon a difference or ratio between said estimated SIR and a set SIR, which is the set level, and weights the output signal;

a combiner for combining signals output from the weighting units of each of the paths; and

a data discriminating unit for discriminating received data based upon the output signal of the combiner,;

an error-rate detector for detecting error rate of discriminated data;

a transmission power controller for controlling transmission power of a transmitter

in such a manner that the estimated SIR becomes a reference SIR; and

a set-SIR updating unit for updating said set SIR when said reference SIR is updated in

such a manner that the error rate becomes a set value

15.(currently amended): A CDMA receiver according to claim 1, further comprising for

applying despread processing to direct wave or delayed waves that arrive via each path of multiple

paths, applying synchronous detection processing to the despread signals obtained, combining the

detection signals of respective paths and discriminating the received data on the basis of the

combined signal, comprising:

a weighting unit provided for each path, wherein if a prescribed signal component

of a direct wave or delayed wave that arrives via an assigned path is below a set level said

weighting unit applies weighting by multiplying an output signal by a weighting coefficient the

value of which is smaller than 1 and varies in conformity with to the level of said signal component

and weighting unit adopts 1 as a weighting coefficient if said signal component is greater than a set

level; and

a reception power calculation unit for multiplying the combined signal by the reciprocal of

maximum weighting among the weightings of respective paths, thereby calculating reception

power

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24.(previously presented): A CDMA receiver for applying despread processing to direct wave or delayed waves that arrive via each path of multiple paths, applying synchronous detection processing to the despread signals obtained, combining the detection signals of respective paths and discriminating the received data on the basis of the combined signal, comprising:

a weighting unit provided for each path, wherein if a prescribed signal component of a direct wave or delayed wave that arrives via an assigned path is below a set level, said weighting unit applies weighting, by multiplying an output signal by a weighting coefficient the value of which varies in conformity with the level of said signal component;

a combiner for combining signals output from the weighting units of each of the paths;

a data discriminating unit for discriminating received data based upon the output signal of the combiner;

a maximum-level detector for detecting a maximum level Pmax of reception powers of respective ones of the paths when reception power is adopted as said signal component; and

a set-level updating unit for adopting a value, which is obtained by subtracting a set level AY from the maximum level Pmax, as said set level.

25.(previously presented): A CDMA receiver for applying despread processing to direct wave or delayed waves that arrive via each path of multiple paths, applying synchronous detection processing to the despread signals obtained, combining the detection signals of respective paths and discriminating the received data on the basis of the combined signal, comprising:

a combiner for combining signals output from the weighting units of each of the paths;

a data discriminating unit for discriminating received data based upon the output signal of the combiner,

a minimum-level detector for detecting a minimum level Pmin of reception powers of respective ones of the paths when reception power is adopted as said signal component; and a set-level updating unit for adopting a value, which is obtained by adding a set level AZ to the minimum level Pmin, as said set level.

Claim 26.(canceled)

27.(previously presented): A CDMA receiver for applying despread processing to direct wave or delayed waves that arrive via each path of multiple paths, applying synchronous detection processing to the despread signals obtained, combining the detection signals of respective paths and discriminating the received data on the basis of the combined signal, comprising:

a weighting unit provided for each path, wherein if a prescribed signal component of a direct wave or delayed wave that arrives via an assigned path is below a set level, said

weighting unit applies weighting, by multiplying an output signal by a weighting coefficient the value of which varies in conformity with the level of said signal component;

a combiner for combining signals output from the weighting units of each of the paths;

a data discriminating unit for discriminating received data based upon the output signal of the combiner; wherein when a SIR, which is a ratio between signal power and interference power, is adopted as said signal component, said weighting unit estimates the SIR of the assigned path, decides a weighting coefficient based upon a difference or ratio between said estimated SIR and a set SIR, which is the set level, and weights the output signal, and further comprising:

an error-rate detector for detecting error rate of discriminated data;

a transmission power controller for controlling transmission power of a transmitter in such a manner that the estimated SIR becomes a reference SIR; and

a set-SIR updating unit for updating said set SIR when said reference SIR is updated in such a manner that the error rate becomes a set value.

Claims 28.-30. (canceled)

A CDMA receiver for applying despread processing to 31.(previously presented): direct wave or delayed waves that arrive via each path of multiple paths, applying synchronous detection processing to the despread signals obtained, combining the detection signals of respective paths and discriminating the received data on the basis of the combined signal, comprising:

a weighting unit provided for each path, wherein if a prescribed signal component of a direct wave or delayed wave that arrives via an assigned path is below a set level, said weighting unit applies weighting, by multiplying an output signal by a weighting coefficient the value of which varies in conformity with the level of said signal component;

a combiner for combining signals output from the weighting units of each of the paths;

a data discriminating unit for discriminating received data based upon the output signal of the combiner; and

a reception power calculation unit for multiplying the combined signal by the reciprocal of maximum weighting among the weightings of respective paths, thereby calculating reception power.

Claims 32.-33. (canceled)